

ANCHOR ENGINEERING SERVICES, INC.



75 NUTMEG LANE, GLASTONBURY CT 06066  
TEL. (860) 633-8770 FAX. (860) 633-5971

PLAINFIELD  
RENEWABLE ENERGY, LLC  
PLAINFIELD, CONNECTICUT

FIGURE 7  
SEISMIC AREAS

PROJECT	DATE
952-01	7/25/06

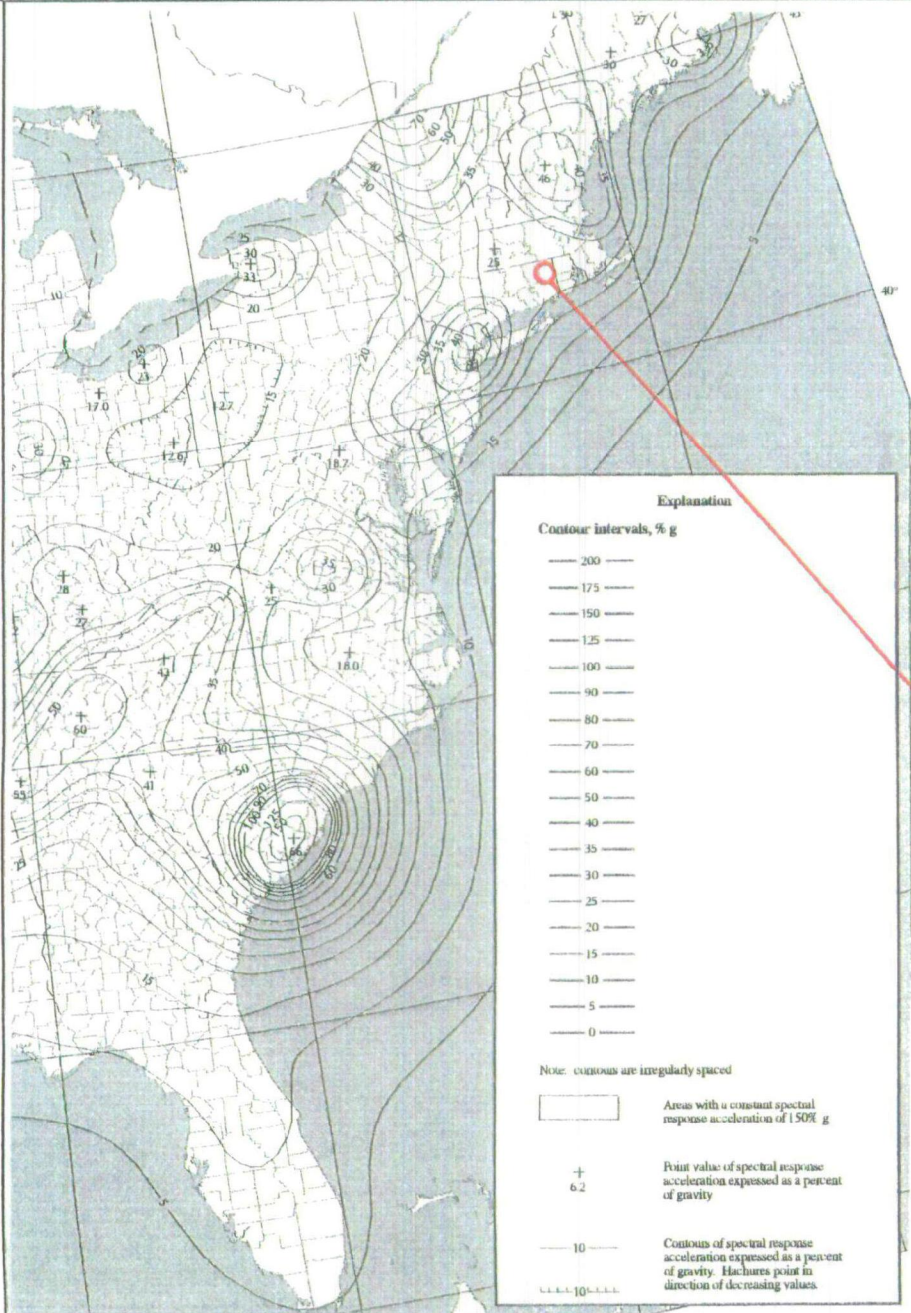
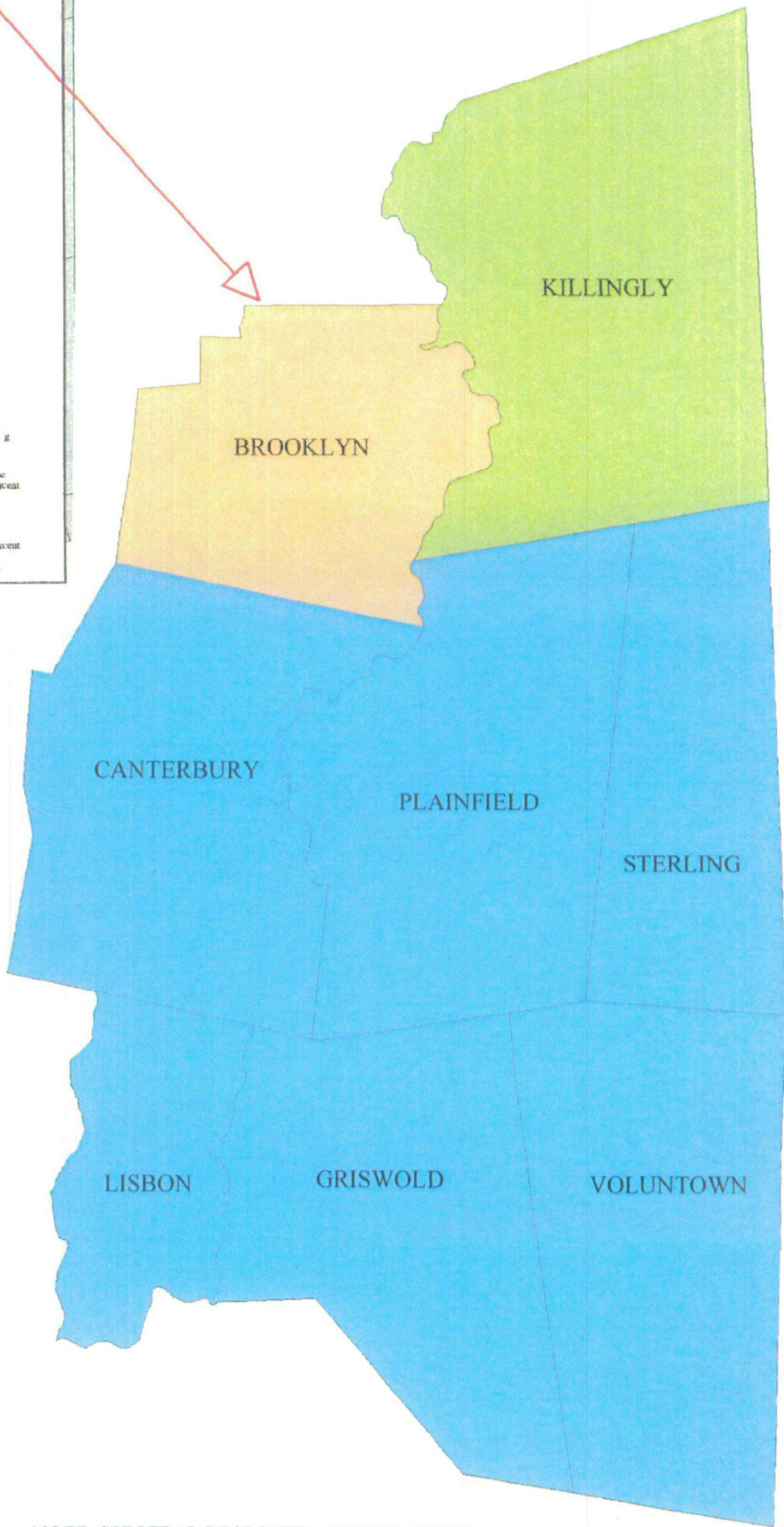


FIGURE 1615(1) - continued  
MAXIMUM CONSIDERED EARTHQUAKE GROUND MOTION FOR THE CONTERMINOUS UNITED STATES  
OF 0.2 SEC SPECTRAL RESPONSE ACCELERATION (5 PERCENT OF CRITICAL DAMPING), SITE CLASS B

2003 INTERNATIONAL BUILDING CODE®

305



NOTE: SPECTRAL RESPONSE ACCELERATION  
EXPRESSED AS A PERCENT OF GRAVITY



0 6,000 12,000 24,000 36,000 48,000 Feet

Legend

Spectral Response Acceleration, % g

26.2
26.3
26.4



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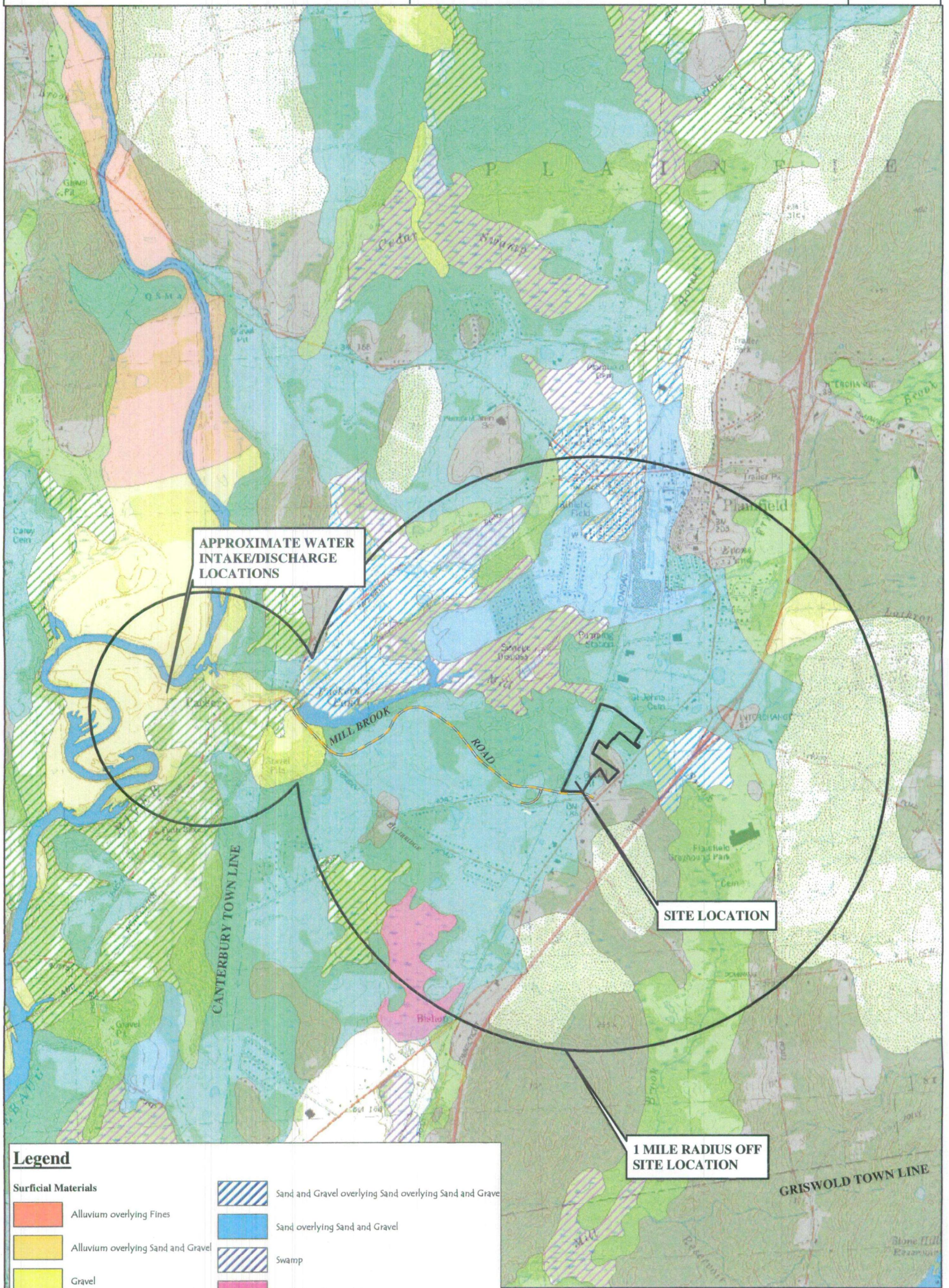
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FIGURE 8  
SURFICIAL GEOLOGY

PROJECT  
952-01

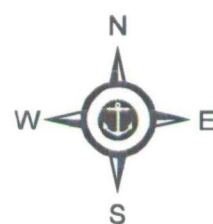
DATE  
7/25/06



**Legend**

**Surficial Materials**

	Alluvium overlying Fines		Sand and Gravel overlying Sand overlying Sand and Gravel
	Alluvium overlying Sand and Gravel		Sand overlying Sand and Gravel
	Gravel		Swamp
	Sand		Swamp overlying Sand
	Sand and Gravel		Thick Till
	Sand and Gravel overlying Sand		Till
			Water



USGS TOPO QUAD #58  
PLAINFIELD, CT

0 500 1,000 2,000 3,000 4,000  
Feet





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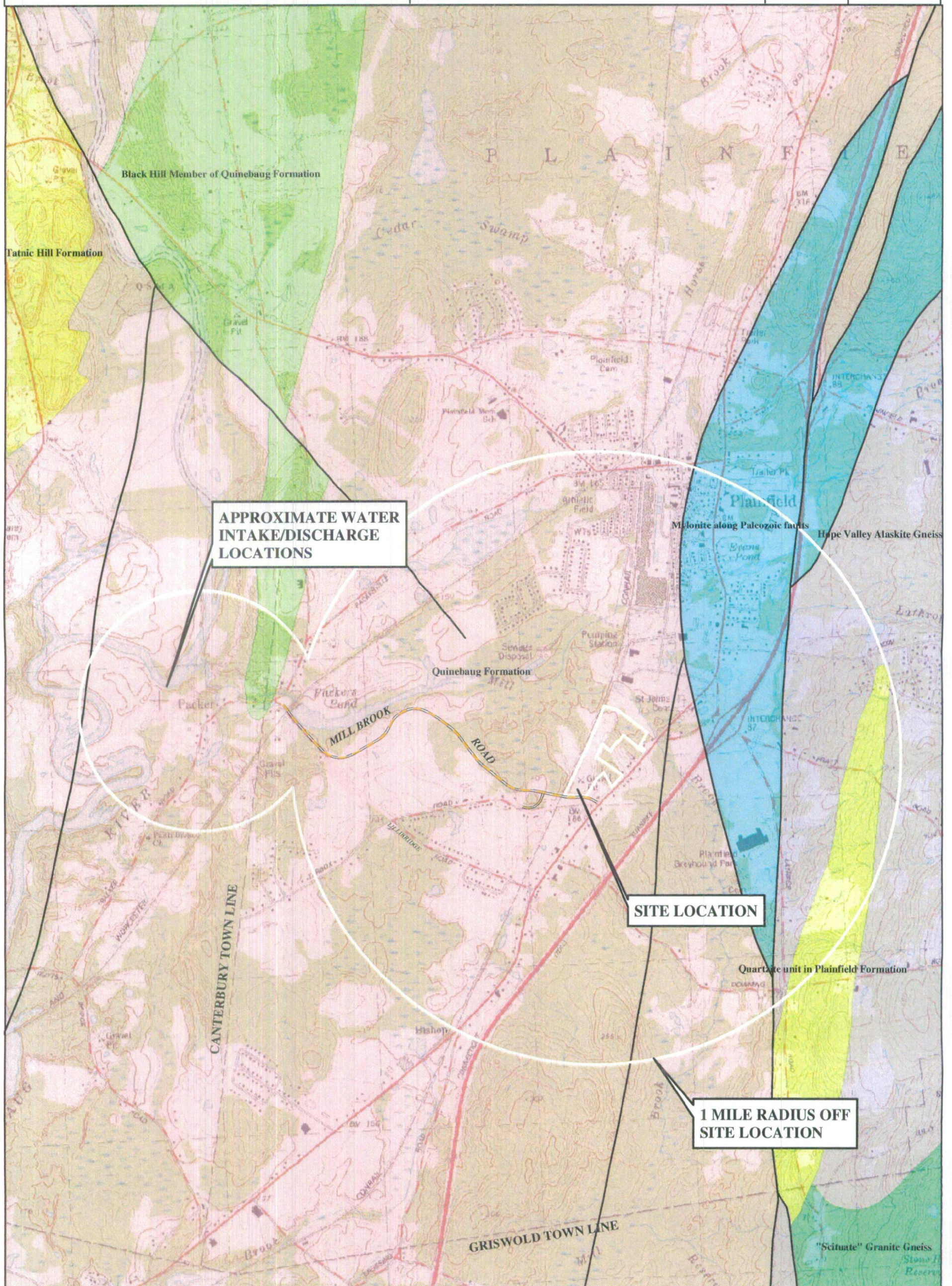
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FIGURE 9  
BEDROCK GEOLOGY

PROJECT  
952-01

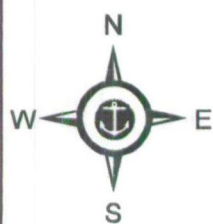
DATE  
7/25/06



APPROXIMATE WATER  
INTAKE/DISCHARGE  
LOCATIONS

SITE LOCATION

1 MILE RADIUS OFF  
SITE LOCATION



USGS TOPO QUAD #58  
PLAINFIELD, CT

0 500 1,000 2,000 3,000 4,000  
Feet

Legend

Bedrock

- "Scituate" Granite Gneiss
- Black Hill Member of Quinebaug Formation
- Hope Valley Alaskite Gneiss
- Mylonite along Paleozoic faults
- Quartzite unit in Plainfield Formation
- Quinebaug Formation
- Tatnic Hill Formation
- Fault



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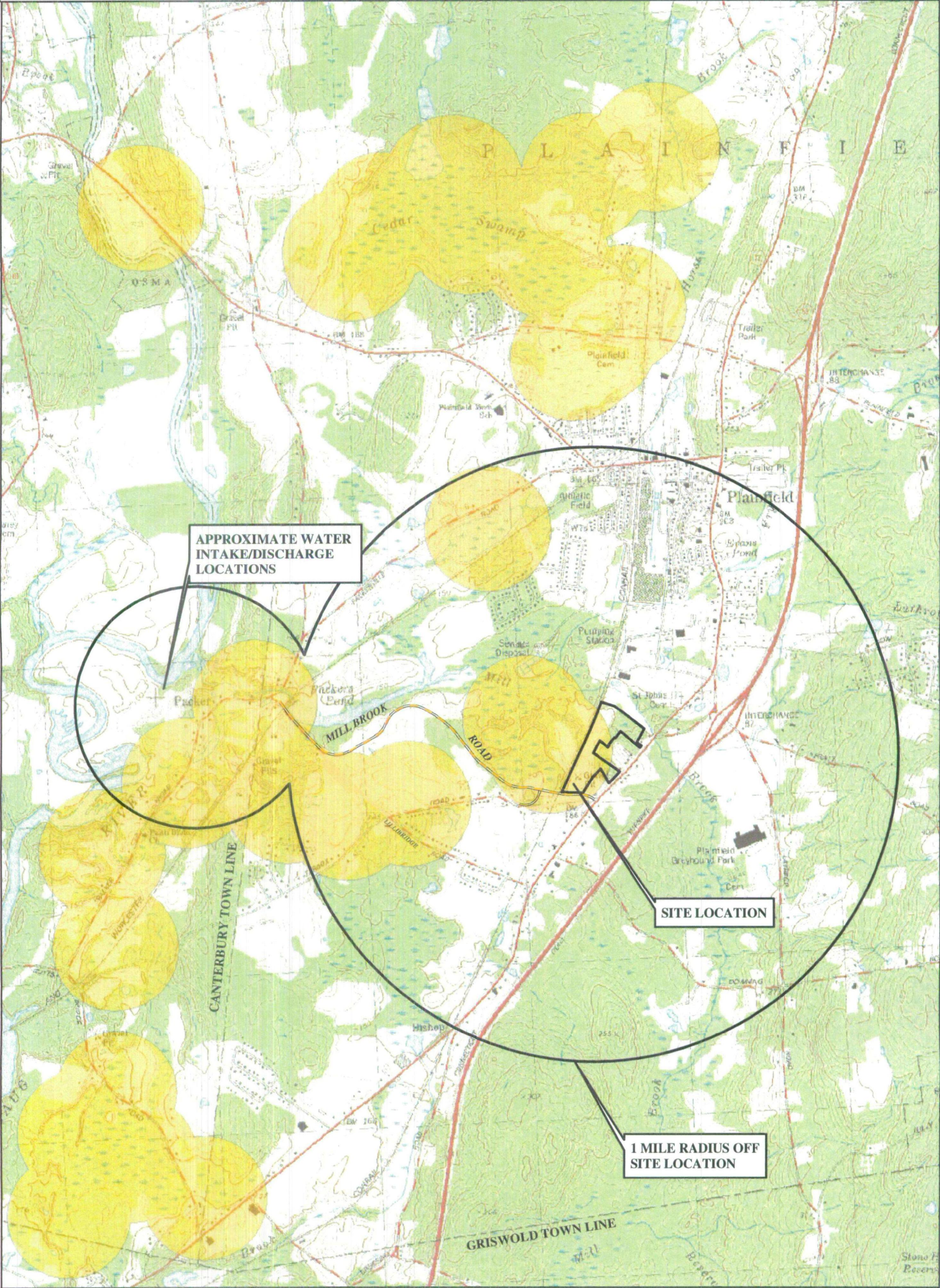
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PLAINFIELD, CONNECTICUT

FIGURE 10  
NDDB

PROJECT  
952-01

DATE  
7/25/06



APPROXIMATE WATER  
INTAKE/DISCHARGE  
LOCATIONS

SITE LOCATION

1 MILE RADIUS OFF  
SITE LOCATION



USGS TOPO QUAD #58  
PLAINFIELD, CT

0 500 1,000 2,000 3,000 4,000  
Feet

Legend

National Diversity Database





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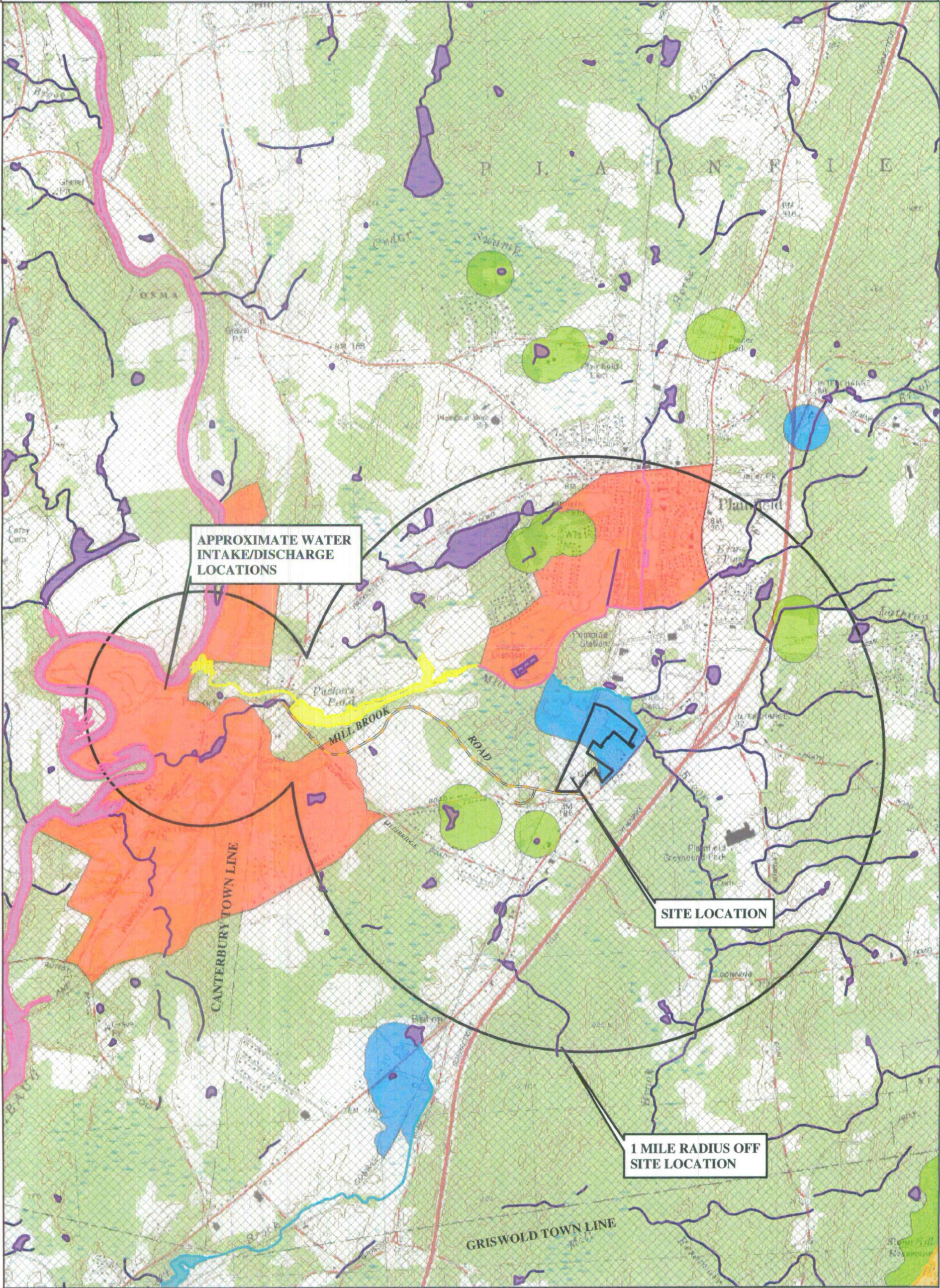
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FIGURE 11  
WATER QUALITY  
CLASSIFICATIONS

PROJECT  
952-01

DATE  
7/25/06



APPROXIMATE WATER  
INTAKE/DISCHARGE  
LOCATIONS

SITE LOCATION

1 MILE RADIUS OFF  
SITE LOCATION



USGS TOPO QUAD #58  
PLAINFIELD, CT

0 500 1,000 2,000 3,000 4,000  
Feet

Legend

Surface Water

- A
- AA

- B
- B,C,D to A
- C,D to B

- A
- AA
- B
- SHARED

- B,C,D to A
- C,D to B

Ground Water

- GA
- GAA, GAAs

- GB
- GC
- GA, GAA IMPAIRED





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FIGURE 12  
WETLANDS

PROJECT  
952-01

DATE  
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## Canterbury Wetlands Map for Plainfield Renewable Energy

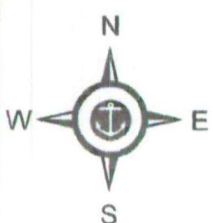


0 250 500 1,000 Feet

### Legend

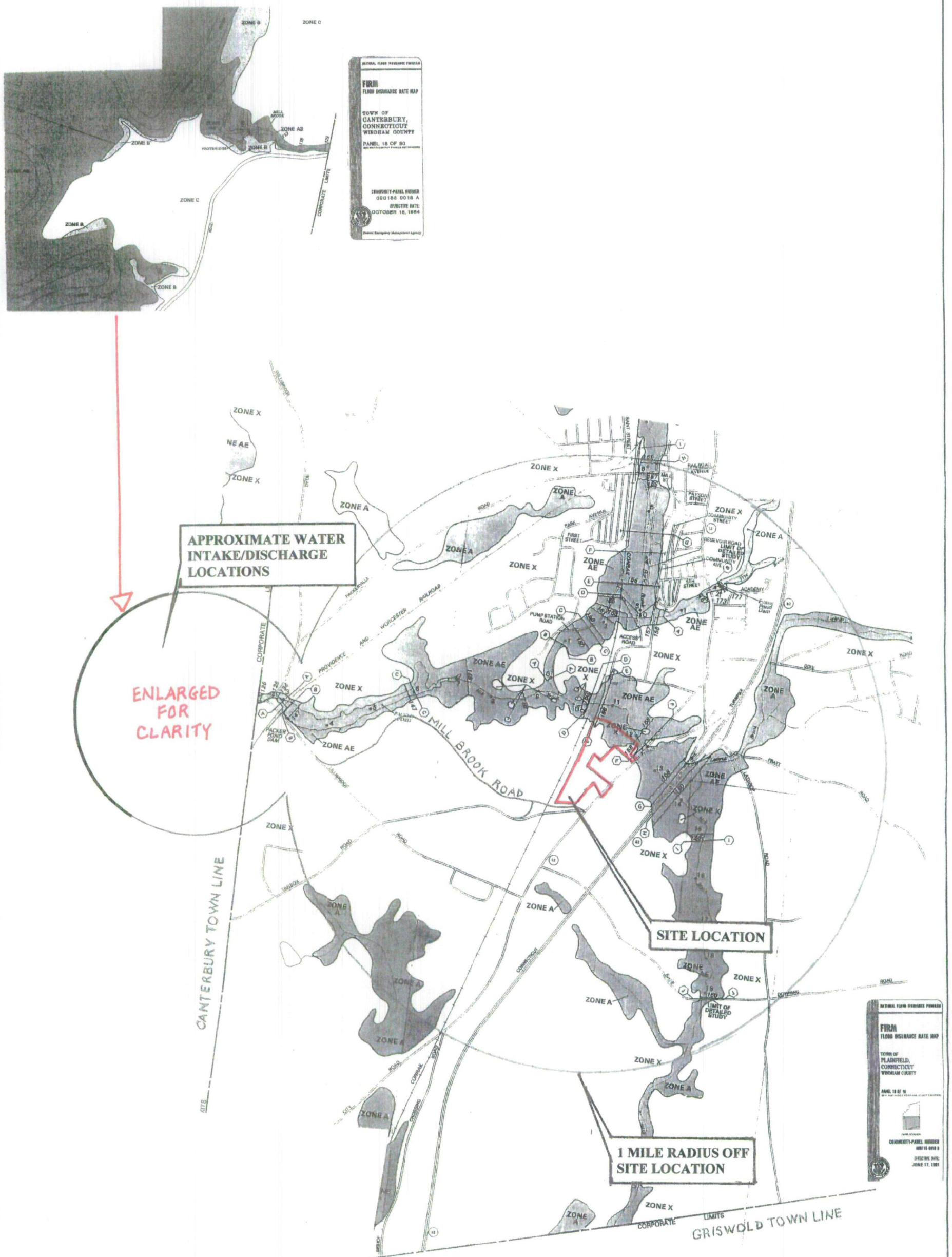
- Upland Review Area
- Wetland Soils
- parcel lines

NOTE: TOWN OF PLAINFIELD CONNECTICUT DOES NOT HAVE WETLAND MAPPING AVAILABLE



USGS TOPO QUAD #58  
PLAINFIELD, CT





0 500 1,000 2,000 3,000 4,000 Feet